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DOCKET: S10920000165US1

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**READ HEAD HAVING A TUNNEL JUNCTION SENSOR WITH A FREE LAYER BIASED BY EXCHANGE COUPLING
WITH INSULATING ANTIFERROMAGNETIC (AFM) LAYERS**

the specification of which (check one)

is attached hereto
 was filed on _____
 as Application Serial No. _____
 and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) Priority Claimed

None (Number)	(Country)	_____. Yes _____. No
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between filing date of the prior application and the national or PCT international filing date of this application.

None (Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
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I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Joseph C. Redmond, Jr. (#18,753)
 Christopher A. Hughes (#26,914)
 Douglas R. Miller (#31,784)
 Esther E. Klein (#34,337)
 Ron Fecce (#46,327)

Ervin F. Johnston (#20,190)
 Robert B. Martin (#26,945)
 Paik Saber (#37,494)
 Randall J. Bluestone (#40,518)

John E. Hoel (#26,279)
 Edward A. Pennington (#32,588)
 William D. Gill (#44,124)
 Abdy Raisainia (#38,686)

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Send correspondence to: Ron Feree, INTERNATIONAL BUSINESS MACHINES CORPORATION
Dept. L2PA, 5600 Cottle Road, San Jose, California 95193

Direct Telephone Calls to: Ervin F. Johnston (619-334-5883)

Full name of sole or first joint-inventor: Kook San Ho

Inventor's signature:

Date: 11/19/2001

Residence: 5618 Stevens Creek, Apt. 239, Cupertino, California 95014

Citizenship: China

Post Office Address: Same

Full name of second joint-inventor: Tao Pan

Inventor's signature:

Date:

Residence: 736 Dalewood Ct., San Jose, California 95120

Citizenship: USA

Post Office Address: Same

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Prior Foreign Application(s)

Priority Claimed

<input type="checkbox"/> None (Number)	<input type="checkbox"/> (Country)	<input type="checkbox"/> (Date/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No
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<input type="checkbox"/> None (Application Serial No.)	<input type="checkbox"/> (Filing Date)	<input type="checkbox"/> (Status) (patented, pending, abandoned)
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Abdy Raissinia (#38,686)

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DOCKET: S109200001651JS1

Send correspondence to: **Ron Freece, INTERNATIONAL BUSINESS MACHINES CORPORATION
Dept. L2PA, 5600 Conde Road, San Jose, California 95193**

Direct Telephone Calls to: **Ervin F. Johnston (619-334-5883)**

Full name of sole or first joint-inventor: **Knok San Ho**

Inventor's signature: _____ Date: _____

Residence: **5618 Stevens Creek, Apt. 239, Cupertino, California 95014**

Citizenship: **China**

Post Office Address: **Same**

Full name of second joint-inventor: **Tao Pan**

Inventor's signature: _____

Date: _____

Tao Pan 11/18/01

Residence: **736 Dalewood Ct., San Jose, California 95120**

Citizenship: **USA**

Post Office Address: **Same**

** TOTAL PAGE.05 **

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